

ABSTRACT OF THE DISCLOSURE

A mobile node adapted router and home agent router operating by the IPv6 protocol able to shorten the time required for updating the current address of the mobile node and increase the speed of switching of the transfer route and providing a transfer route not passing through a home agent every time for a node not supporting this protocol, provided with a memory unit for storing a current address of a mobile node which the correspondent node should store instead of the correspondent node and a transfer unit for referring to the memory unit when receiving a packet transmitted to the home address of the mobile node, converting it to the current address, and transmitting the packet.